In the Claims:

This listing of claims replaces all prior versions.

Claims 1-4 (Cancelled).

5. (Currently Amended) A transmitter comprising: a power amplifier having an amplifier power-supply input and an output for supplying a transmission signal with an output power, a power supply having power supply outputs for supplying a first power supply voltage and a second power supply voltage, a switching circuit arranged between the power supply outputs and the amplifier power-supply input, and a controller having an input for receiving a power change command to control: (i) the switching circuit to supply the first power supply voltage to the amplifier power-supply input, and the power supply to vary a level of the second power supply voltage to be lower than a level of the first power supply voltage if the power change command indicates that the output power has to decrease and to be higher than the level of the first power supply voltage if the power change command indicates that the output power has to increase, and (ii) the switching circuit to supply the second power supply voltage to the amplifier power-supply input [A transmitter as claimed in claim 1,] ; wherein the power supply [(PS)] [being arranged to supply] supplies a third power supply voltage [(PV3)], the controller [(CO) being adapted for controlling] controls (i) the level of the second power supply voltage [(PV2)] to above a level of the first power supply voltage [(PV1)], and a level of the third power supply voltage [(PV3)] to below the level of the first power supply voltage [(PV1)], (ii) the switching circuit [(SC)] to supply either the second power supply voltage [(PV2)] or the third power supply voltage [(PV3)] to the amplifier power-supply input [(PI)], depending on whether the output power [(Po)] has to increase or decrease, respectively.

6. (Currently Amended) A transmitter as claimed in claim 5, wherein the transmitter is arranged for operation in a transmission system based on time slots (n), and wherein the controller [(CO)] is adapted to control, in one of the time slots (n-1, n, n+1) wherein the output power [(Po)] has to be changed, the level of the second power supply voltage

[(PV2)] or the level of the third power supply voltage [(PV3)], depending on whether the level of the second power supply voltage [(PV2)] or the level of the third power supply voltage [(PV3)] has the largest difference with the level of a power supply voltage [(PV)]supplied to the amplifier power-supply input [(PI)].

7. (Currently Amended) A transmitter as claimed in claim 5, wherein the transmitter is arranged for operation in a transmission system based on time slots (n), and wherein the controller [(CO)] is adapted to control, in one of the time slots (n-1, n, n+1) wherein the output power [(Po)] has to be changed, the power supply [(PS)] to adapt (i) the level of the first power supply voltage [(PV1)] and the level of the third power supply voltage [(PV3)] if the second power supply voltage [(PV2)] is supplied to the amplifier power-supply input [(PI)], wherein the level of the first power supply voltage [(PV1)] is controlled for crossing the level of the second power supply voltage [(PV2)], or (ii) the level of the first power supply voltage [(PV1)] and the level of the second power supply voltage [(PV2)] if the third power supply voltage [(PV3)] is supplied to amplifier power-supply input [(PI)], wherein the level of the first power supply voltage [(PV1)] is controlled for crossing the level of the third power supply voltage [(PV3)].

Claims 8-11 (Cancelled).